

Converting Colors

$Yxy(68.7630, 0.3825, 0.4387)$

Have a look what the booklet for
Yxy(68.7630, 0.3825, 0.4387)
contains.

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Color

Yxy(68.9163, 0.3825, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	E0DD78
RGB	224, 221, 120
RGB Percent	88%, 87%, 47%
CMY	0.1217, 0.1333, 0.5294
CMYK	0.00, 0.01, 0.46, 0.12
HSL	58°, 63%, 67%
HSV	58°, 46%, 88%
XYZ	59.9783, 68.9163, 27.9115
YIQ	210.3830, 34.2090, -30.7750

Conversions

Conversions Part 2

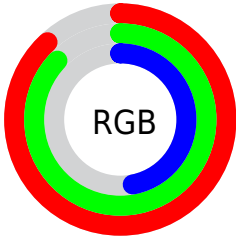
Format	Color
RYB	123, 224, 120
Decimal	14736760
CIELab	86.46, -12.78, 49.61
CIELCh	86, 51.231, 104.449
Yxy	68.9163, 0.3825, 0.4395
Android (android.graphics.Color)	4292926840 (0xFFE0DD78)
YUV	210.3830, -44.5588, 11.9421
Hunter-Lab	83.0158, -16.3128, 38.1767

Details

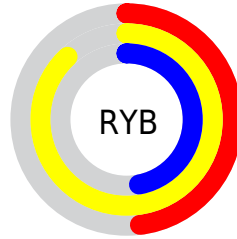
The Yxy color **68.9163, 0.3825, 0.4395** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.5267, 0.2256, 0.1877**, and the grayscale version is **64.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **35.9053, 0.3960, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **68.1035, 0.3954, 0.4595**, and if you desaturate by 10%, it is **69.8639, 0.3681, 0.4171**.

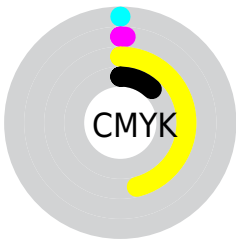
Distribution



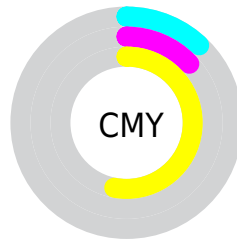
- Red (88%)
- Green (87%)
- Blue (47%)



- Red (48%)
- Yellow (88%)
- Blue (47%)



- Cyan (0%)
- Magenta (1%)
- Yellow (46%)
- Black (12%)





- Cyan (12%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9163, 0.3825, 0.4395 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.9163, 0.3825, 0.4395 by changing the saturation by 10% instead.


 68.9163, 0.3825,
0.4395


 68.9163, 0.3825,
0.4395


456.7357, 0.3520,
0.3880

 50.6435, 0.3886,
0.4509


 117.6620, 0.3725,
0.4218

 35.9250, 0.3957,
0.4647


 148.9038, 0.3684,
0.4149

 24.3763, 0.4037,
0.4814


 185.2373, 0.3649,
0.4089

 15.6130, 0.4123,
0.5019

227.0471, 0.3617,
0.4036

 9.2507, 0.4205,
0.5268

274.7174, 0.3589,
0.3990

 4.9051, 0.4334,
0.5666

328.6326, 0.3564,

 2.1917, 0.4162,

0.3949

0.5838

389.1773, 0.3541,
0.3913

0.7154, 0.3396,
0.6604

0.0000, 0.0000,
0.0000

68.9163, 0.3825,
0.4395

68.9163, 0.3825,
0.4395

68.1035, 0.3954,
0.4595

69.8639, 0.3681,
0.4171

67.4069, 0.4063,
0.4760


70.9448, 0.3529,
0.3931

66.8196, 0.4147,
0.4884


72.1698, 0.3375,
0.3685

66.3297, 0.4204,
0.4965

73.5457, 0.3222,
0.3442


 65.9221, 0.4236,
0.5004


 75.0790, 0.3075,
0.3207

 65.7869, 0.4244,
0.5012

 76.7758, 0.2937,
0.2984

 77.1586, 0.2933,
0.2985

 77.5030, 0.2934,
0.2992

 77.8487, 0.2934,
0.2998

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9163, 0.4254, 0.4083



68.9163, 0.3825, 0.4395



68.9163, 0.3233, 0.4386

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9163, 0.3825, 0.4395



68.9163, 0.2021, 0.2755



68.9163, 0.3560, 0.2725

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.9163, 0.3825, 0.4395



23.5267, 0.2256, 0.1877

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9163, 0.2919, 0.2429



68.9163, 0.3825, 0.4395



68.9163, 0.2086, 0.2413

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9163, 0.3825, 0.4395



68.9163, 0.2210, 0.3325



68.9163, 0.2395, 0.2313



68.9163, 0.4117, 0.3147

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9163, 0.3825, 0.4395



68.9163, 0.2829, 0.4147



68.9163, 0.2395, 0.2313



68.9163, 0.3344, 0.2610

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.9195, 0.3825, 0.4395



97.2671, 0.3339, 0.3629



30.7175, 0.4347, 0.3253



20.7369, 0.3373, 0.3682



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9195, 0.3825, 0.4395



91.4017, 0.3954, 0.4594



63.8125, 0.3435, 0.4584



15.9595, 0.3268, 0.3515



38.3381, 0.4243, 0.5013



2.6787, 0.4235, 0.5020

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.5267, 0.2256, 0.1877



23.2248, 0.2045, 0.1531



27.1961, 0.2650, 0.1979



13.3051, 0.2981, 0.3054



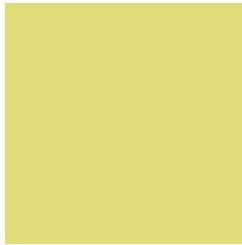
3.2408, 0.1505, 0.0619



0.2469, 0.1520, 0.0673

Previews

White Background



This preview shows how the Yxy color 68.9163, 0.3825, 0.4395 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.9163, 0.3825, 0.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

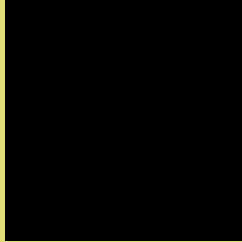
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9163, 0.3825, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 68.9163, 0.3825, 0.4395.



This preview shows how white text looks on a background with the Yxy color 68.9163, 0.3825, 0.4395.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.9163, 0.3825, 0.4395

Protanopia

68.5969, 0.3974, 0.4321

Deuteranopia

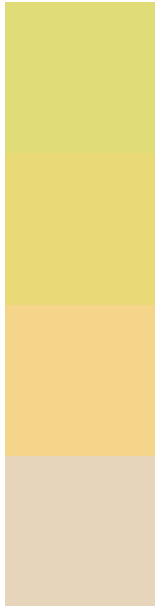
68.5099, 0.3945, 0.3909



Tritanopia

68.6993, 0.3210, 0.3121

Trichromacy



Original Color

68.9163, 0.3825, 0.4395

Protanomaly

68.7984, 0.3918, 0.4347

Deuteranomaly

68.6566, 0.3906, 0.4082

Tritanomaly

68.1653, 0.3448, 0.3577

Monochromacy



Original Color

68.9163, 0.3825, 0.4395

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7145, 0.3393, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9163, 0.3825, 0.4395 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 221, 120)` looks like.

```
.text, #text, p{  
    color:rgb(224, 221, 120)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 221, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 221, 120) }
```

Border

The CSS property to change the border of an element to Yxy 68.9163, 0.3825, 0.4395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 221, 120) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 221, 120) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 221, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 221, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 221, 120); box-shadow:4px 4px 4px 4px rgb(224, 221, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9163, 0.3825, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 221, 120) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
221, 120) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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